	OURCES INING		FOR AMENDED REPOR						
APPLI	1. WELL NAME and	1. WELL NAME and NUMBER  HB Mikhail 4-2							
2. TYPE OF WORK  DRILL NEW WELL (	3. FIELD OR WILD	CAT HORSESHOE BEND							
4. TYPE OF WELL Oil We	ell Coalbec	i Methane Well: NO				5. UNIT or COMMU	NITIZATION AGRE	EMENT NAME	
6. NAME OF OPERATOR	QUINEX ENER	.GY CORP				7. OPERATOR PHO	NE 801 292-3800		
8. ADDRESS OF OPERATOR 465 S	outh 200 West, Bo	ountiful, UT, 84010				9. OPERATOR E-MA	IL e@quinexenergy.cor	n	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)		11. MINERAL OWN		/=	a 100	12. SURFACE OWN		9 0	
ML-50418  13. NAME OF SURFACE OWNER (if box 12		FEDERAL INI	DIAN 🔵 S	TATE (I	) FEE	FEDERAL IN  14. SURFACE OWN	DIAN STATE (		
15. ADDRESS OF SURFACE OWNER (if box						16. SURFACE OWN	•	•	
15. ADDRESS OF SURFACE OWNER (II BOX				7			ER E-MAIL (II DOX .	12 = Tee )	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	-	18. INTEND TO COI	TONS		-	19. SLANT			
			Commingling A					ORIZONTAL ()	
20. LOCATION OF WELL		TAGES	QTR-QT	R	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE		2047 FWL	NESW	_	2	7.0 S	21.0 E	S	
Top of Uppermost Producing Zone		2047 FWL	NESW	_	2	7.0 S	21.0 E	S	
At Total Depth	2114 FSL	. 2047 FWL	NESW		2	7.0 S	21.0 E	S	
21. COUNTY UINTAH  22. DISTANCE TO NEAREST LEASE LINE (F					(Feet)	23. NUMBER OF AC	RES IN DRILLING	UNIT	
		25. DISTANCE TO N (Applied For Drillin			AME POOL	<b>26. PROPOSED DEPTH</b> MD: 7200 TVD: 7200			
27. ELEVATION - GROUND LEVEL 5041		28. BOND NUMBER				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Naple City Municiple Water Source			
5041			NZS499876			Туарте С	rty Municipie Water 5	ource	
		A	TTACHMEN	TS					
VERIFY THE FOLLOWING	ARE ATTACHE	D IN ACCORDAN	NCE WITH T	HE UT	AH OIL ANI	GAS CONSERVAT	ON GENERAL RU	JLES	
WELL PLAT OR MAP PREPARED BY	LICENSED SURV	EYOR OR ENGINEE	ER 🗾	СОМЕ	PLETE DRILLI	NG PLAN			
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGREE	MENT (IF FEE SURI	FACE)	FORM	5. IF OPERA	FOR IS OTHER THAN T	HE LEASE OWNER		
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY O	R HORIZONTALLY	<b>Y</b>	торо	GRAPHICAL N	1AP			
NAME Don Hamilton TITLE Consultant						<b>PHONE</b> 435 719-2018			
SIGNATURE         DATE 09/07/2010						EMAIL starpoint@etv.n	et		
<b>API NUMBER ASSIGNED</b> 43047512840000		APPROVAL				Bacqill			
						Permit Manager			

API Well No: 43047512840000 Received: 9/7/2010

	Proposed Hole, Casing, and Cement								
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)					
Prod	8.5	7	0	7200		Γ			
Pipe	Grade	Length	Weight			Γ			
	Grade N-80 LT&C	7200	26.0			Γ			
						Γ			

CONFIDENTIAL

API Well No: 43047512840000 Received: 9/7/2010

	Proposed Hole, Casing, and Cement								
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)					
Surf	12.25	9.625	0	720		Γ			
Pipe	Grade	Length	Weight			Γ			
	Grade J-55 ST&C	720	40.0			Γ			
						Γ			

CONFIDENTIAL

#### **DRILLING PLAN**

QUINEX ENERGY CORPORATION

HB Makhail 4-2

2047 FNL 2114 FSL NE1/4, SW1/4

SECTION 2, T 7 S, R 21 E

UINTAH COUNTY, UTAH

Lease No: ML-50418

#### 1 & 2 ESTIMETED TOPS ANTICIPATED OIL, GAS AND WATER ZONES

<u>FORMATION</u>	<b>DEPTH</b>	ZONE TYPE	MAX. PRESSURE
Uinta Fm.	Surface	Water & Gas	1,602.4 psi
Green River Formation	3,700'	Oil, Gas & Water	2,663.5 psi
Basal Green River	6,150'	Oil, Gas & Water	2,858.4 psi
Douglas Creek	6,600'	Oil, Gas & Water	3,118.3 psi
Wasatch Tongue	7,200'	Oil, Gas & Water	3,118.3 psi

Max Pressure is figured as Hydrostatic .4331 pounds per square foot X Depth.

#### 3. PRESSURE CONTROL EQUIPMENT

An 11" Rotating Head from 400' to 7,200' on Surface. A 5M BOP Stack, 5M Fill and Kill lines and Choke Manifold from 400' to 7,200'. The BOPE and related equipment will meet the requirements of the 5M and 10M system.

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11.0" 5M BOP and 5M Annular preventer will be nippled up on the surface casing and tested to 250 psi low pressure test and 5M psi high pressure test prior to drilling out. The surface casing will be tested to 1,500 psi. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test and 2,500 psi high test or 50% of the rated working pressure.

The BOPE will be tested after running intermediate casing, after any repairs to the equipment and at least every 30 days while drilling.

The pipe and blind rams will be activated each time a trip is made, and the annular preventer will be activated weekly.

Weekly BOP tests will be held with each crew.

Other equipment will include:

- a. Mud logger with gas monitor. On at 1,800'
- b. Choke Manifold with one manual and one hydraulic operated choke
- c. Full opening floor valve with drill pipe thread
- d. Upper and lower Kelly Cock
- e. Shaker, desander, desilter, and mud cleaner

See the attached diagrams:

#### 4. CASING AND CEMENTING PROGRAM:

	HOLE SIZE	INTERVAL	LENGTH	SIZE	WEIGHT	GRADE	THREAD	COLLAPSE	CEMENT
Surface	12 1/4"	0-720'	720'	9 5/8"	40.0#	J 55	ST&C	1,130#	550 sx class G to Surface
Prod	8 1/2"	0-7,200'	7,200'	7.00"	26.0#	N 80	LT&C	5,410#	Calculated from logs to 100'
	inside surface	casino							

Surface Casing: 550 sacks Class G @ 15.6 lb/gal, yield 1.15 cuft/per sx with 2% CaCl

Production Casing: Lead 300 sacks of Premium Lite @ 11 lb/gal, yield 3.2 cuft/sx, with 2% CACl. Tail 420 sacks Class G 14.4 lb/gal, yield 1.25 cuft/sx, 50:50 poz 2% CaCl 2% gel. Sufficient to bring cement up 100 feet inside the surface casing as calculated from the openhole logs.

#### 5. <u>MUD PROGRAM</u>:

<u>INTERVAL</u>	MUD TYPE	<u>WEIGHT</u>	
Surface	Water & gel	8.5 to 8.9	PPG
Production	Water, Gel & Weight as needed	8.9 to 9.1	PPG

Anticipated mud weights and lost circulation zones are based on offsetting wells and drilling data. Mud weights may be higher than projected, depending on actual zones encountered during drilling.

Visual mud monitoring equipment will be utilized.

Sufficient mud inventory will be maintained on location during drilling operations to handle any adverse conditions that may arise.

#### 6. <u>VARIANCE REQUESTS</u>:

None

#### 7. EVALUATION PROGRAM

Gamma Ray, Density, Neutron, Resistivity, 7,200' to Surface Casing
Gamma Ray, Cement Bond, TD to 100' inside of Surface Casing

Cores None DST's None

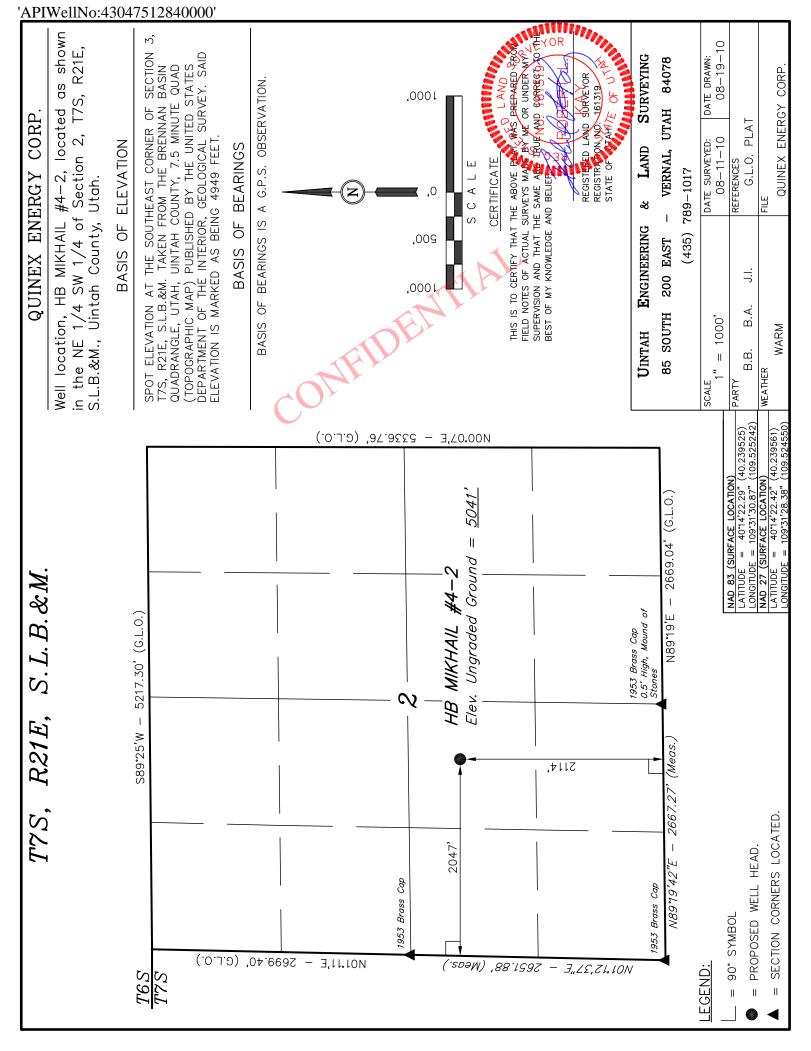
#### 8. ABNORMAL CONDITIONS

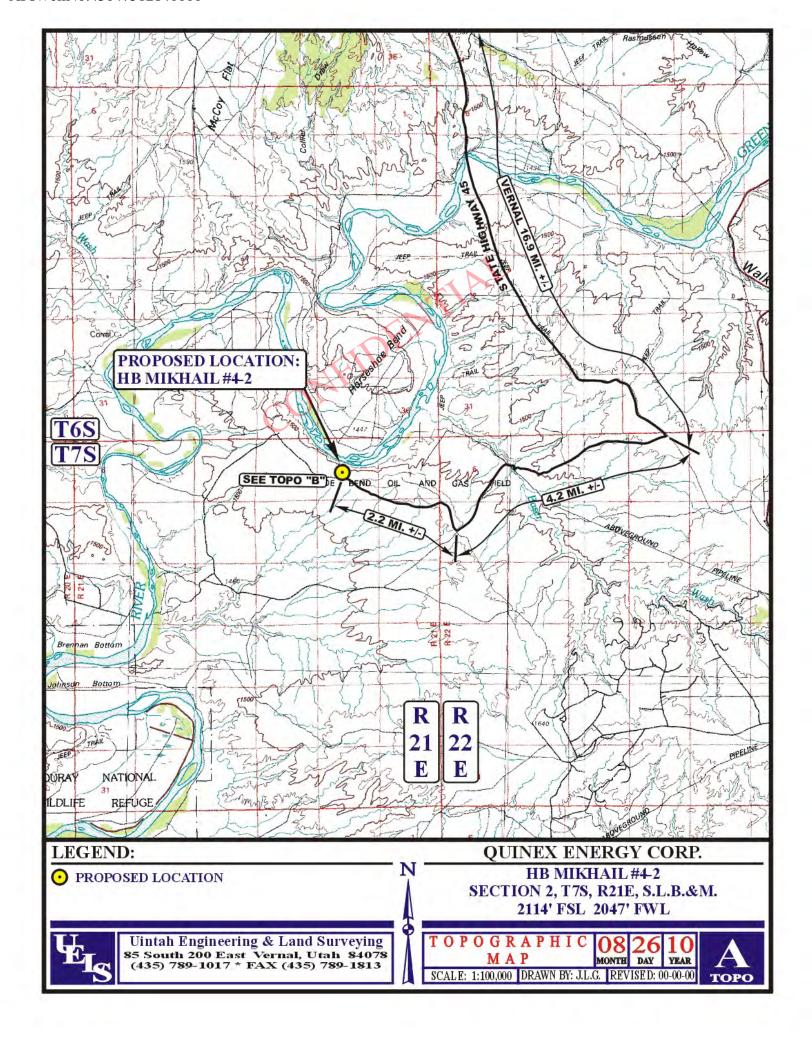
There are no abnormal bottomhole conditions and the maximum pressure anticipated is 3,120 psi.

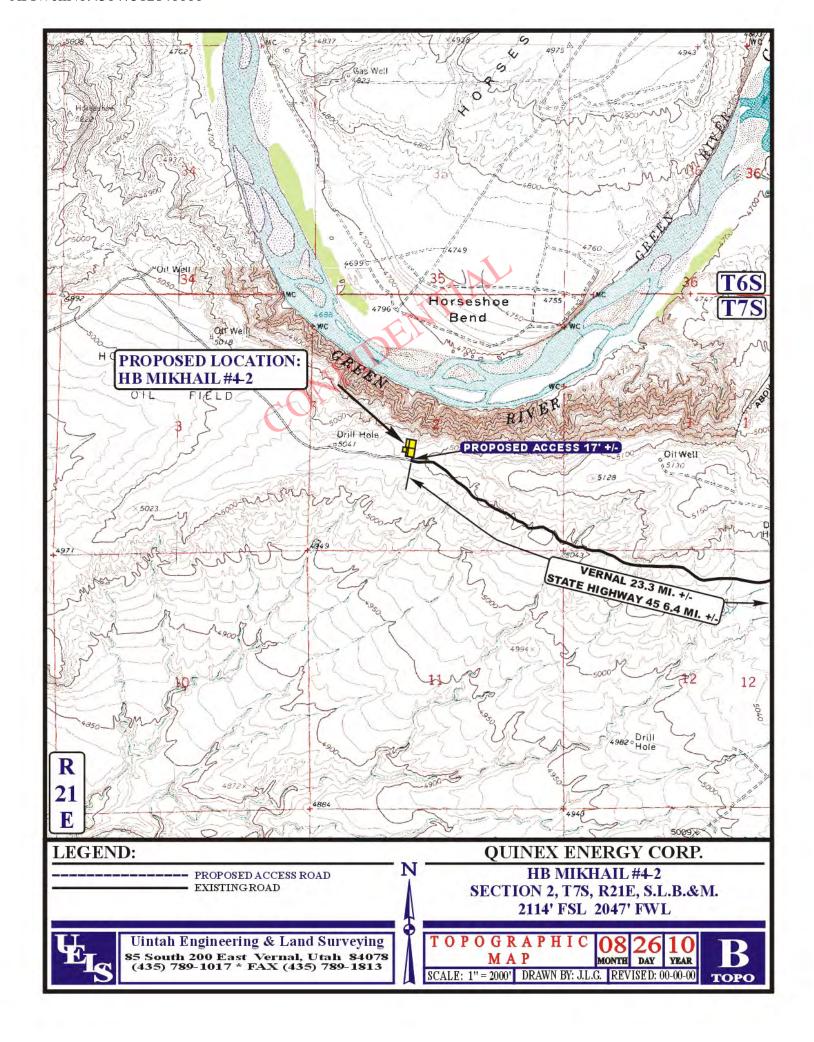
#### 9. OTHER

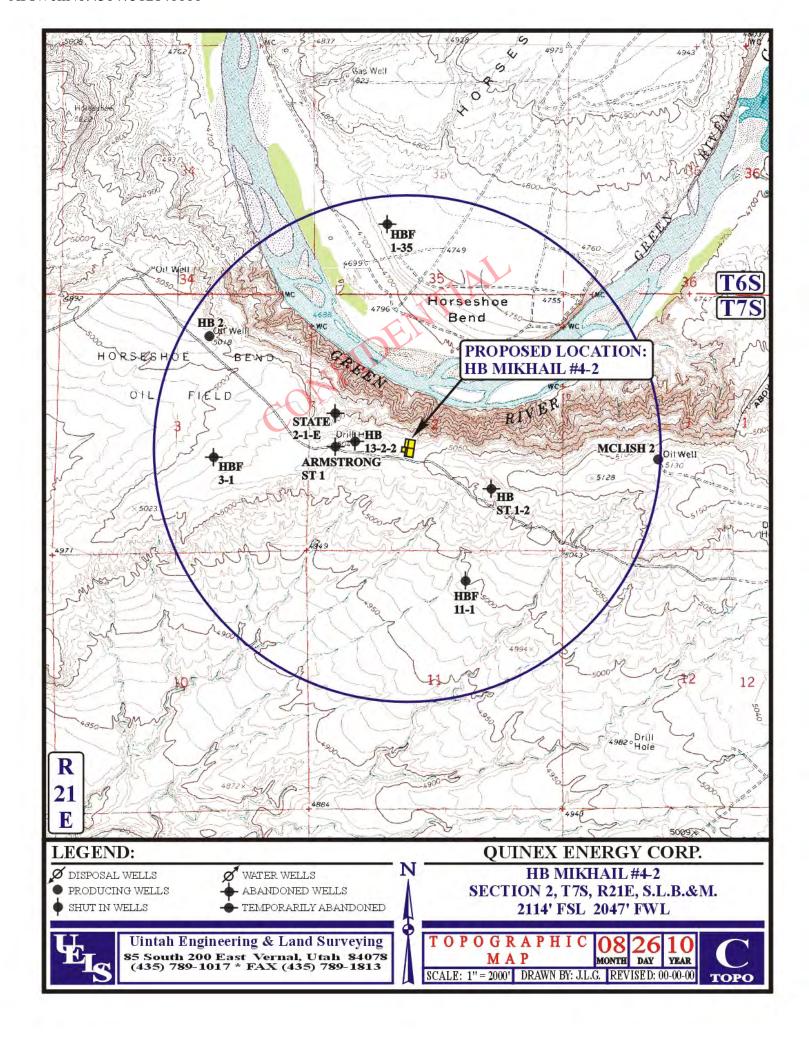
No chemicals subject to reporting under SARA III in an amount to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually with the drilling of this well, Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold quantities, will be used, produced, stored, transported or disposed of in association with the drilling of this well.

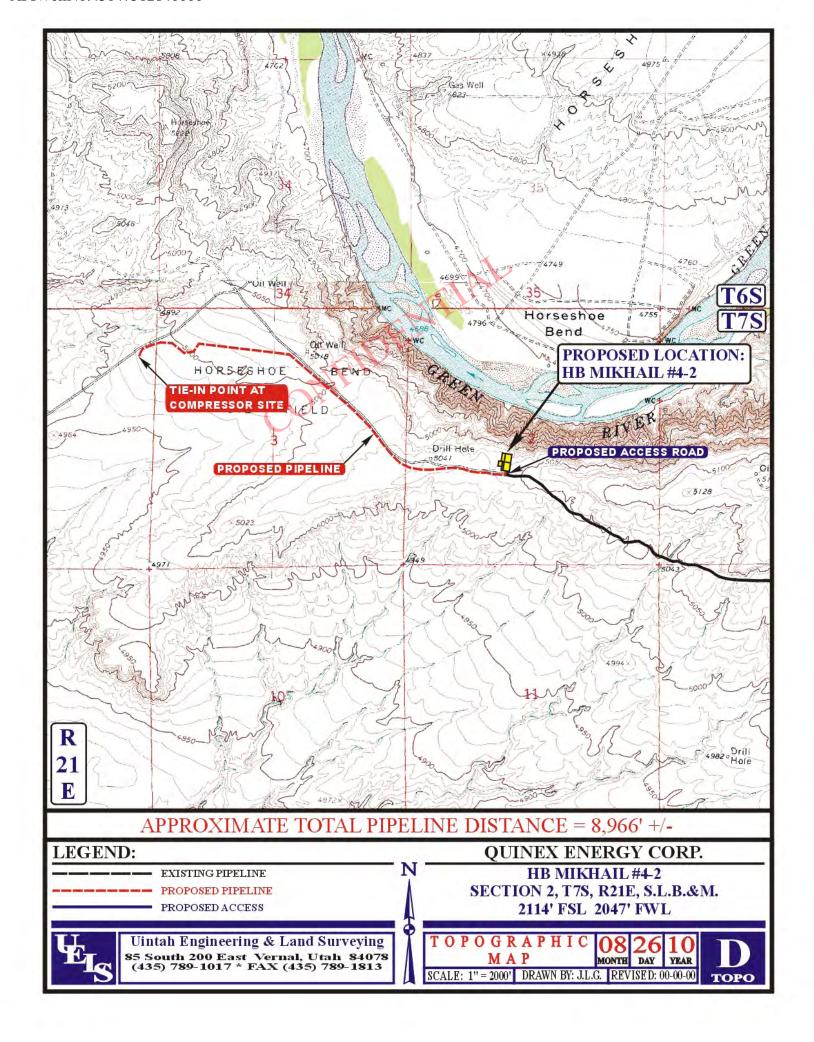
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#### **SURFACE PLAN**

QUINEX ENERGY CORPORATION HB Mikhail 4-2 2114' FSL & 2047' FWL NE1/4, SW1/4 SECTION 2, T 7 S, R 21 E, SLB&M UINTAH COUNTY, UTAH Lease No: ML-50418

#### **PRESITE INSPECTION:**

The onsite inspection for the subject well site will be conducted as scheduled by the State of Utah DENTI Division of Oil, Gas & Mining.

#### **ATTENDEES:**

Paul Wells Quinex Energy **Quinex Energy** Mike Hebertson Buys & Associates **Don Hamilton** 

State of Utah Trust Lands

Oil, Gas & Mining

#### 1. EXISTING ROADS

- A. The proposed well site is located approximately 23.5 miles south of Vernal, Utah.
- B. Directions to the location from Vernal, Utah are as follows:

Proceed in a southeasterly direction from Vernal, Utah via US Highway 40 to the intersection of State Highway 45 in Naples Utah. Turn right onto State Highway 45 and continue southerly for a total of about 16.9 miles to a County Road that is heading west (about 5 miles after crossing the Green River). Turn right and continue west 4.2 miles and take the right hand fork in the road. Continue westerly 2.2 miles until reaching the proposed location on the right or north side of the road.

- C. For location of access roads within a 1 Mile radius, see Maps A, B & C.
- D. Improvement to existing main roads will not be required.
- E. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- F. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency will be maintained in accordance with the standards of the managing agency.

#### 2. PLANNED ACCESS ROADS

- A. There will be 0.01 (55') miles of new access to be constructed.
- B. The maximum grade is approximately ½ %.
- C. No turnouts are planned.

- D. No culverts will be necessary. No low water crossings will be required, however a pipeline crossing will be required.
- E. The access road was centerline surveyed at the time of staking.
- F. The use of surfacing material will be the same as those used to build the location
- G. No cattle guards will be necessary.
- H. Surface disturbance and vehicular travel will be limited to the approved location and approved access route.
- I. Access roads and surface disturbing activities will conform to standards set forth by Uintah County and SITLA.
- J. The road will be constructed to meet the standards of the anticipated traffic flow and all weather road requirements. Construction will include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road will be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings will be of the typical dry creek drainage crossing type. Crossings will be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor will the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water will be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading will not be allowed during muddy conditions. Should mud holes develop, they will be filled in and detours around them avoided.
- K. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- L. No road rights-of-way will be necessary since all new access is within the lease boundary.

#### 3. EXISTING WELLS WITHIN A 1 MILE RADIUS OF THE PROPOSED WELL (See Map)

A. Water Wells: 0
B. Injection Wells: 0
C. Producing Wells: 1
D. Drilling Wells: 0
E. Shut-In Wells: 2
F. Temp Abandoned: 0
G. Disposal Wells: 0

H. Abandoned Wells: 7

#### 4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES

- A. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted to match the landscape probably Desert Tan. All facilities will be painted within six months of installation.
- B. Storage facilities such as tank batteries will be constructed on this lease, the facility and the well pad will be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility unless more stringent protective requirements are deemed necessary by the authorized officer.
- C. If production is established, a production facility diagram will be submitted via Sundry Notice.
- D. All loading lines will be placed inside the berm surrounding the location.
- E. Gas meter runs for each well will be located on lease. The gas flow line will be surface laid and anchored down from the wellhead to the separator. Meter runs will be housed.
- F. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any sale being made. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter.
- G. Any necessary pits will be properly fenced to prevent any wildlife entry.
- I. All site security guidelines will be adhered to.
- J. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- L. The road will be maintained in a safe useable condition.
- M. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site. It is possible that onsite power generation for the project will be installed at this location, and that the produced water will be evaporated and used to cool the system
- N. Pipelines will follow the established roads shown on Map D to a point even with the compressor then cross country to the tie in point Section 3 is BLM Land and a right of way will be obtained. See Pipeline detail attached. No pipeline right of way will be necessary across the portion of section 2 that is covered by this lease.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water will be will be purchased from the nearest Municipal water source, probably Naples.
- B. Water will be hauled by truck to the location over the access roads
- C. No water well will be drilled on this lease.

#### 6. SOURCE OF CONSTRUCTION MATERIAL

- A. Surface and subsoil materials in the immediate area will be utilized where possible. In the case of this well it may be more cost effective to build up the location than dig it down.
- B. Any gravel used will be obtained from a commercial source.
- C. Construction material is not available on lease.
- D. No construction materials will be removed from State land.

#### 7. METHODS OF HANDLING WASTE DISPOSAL

- A. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- B. The reserve pit will require blasting to obtain sufficient depth and a 12 mil liner will be required. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overtop the pit walls and be covered with dirt or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.
- C. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal site.
- D. During the testing period produced waste water will be confined to the reserve pit and will be cleaned up by vacuum truck when the well goes on production. Produced water will be disposed of at a State approved facility.
- E. Drill cuttings are to be contained and buried in the reserve pit, and the liner will be folded in over the cuttings after they are dried out. The pit and cuttings will be buried 3 to 4 feet deep and revegetated to hold the soils in place after completion work is finished. All unused portions of the location and shoulders of the access road will be vegetated for soil control purposes. If required a siltation fence will be installed at the toe of the fill slopes to control erosion until new plant growth can be established.
- F. Any salts or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- G. A chemical portable toilet will be furnished with the drilling rig.
- H. The produced fluids will be produced into the reserve pit until such time as construction of production facilities is completed. Any spills of oil, fuel, salt water or other produced fluids will be cleaned up and removed.

#### 8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

#### 9. WELL SITE LAYOUT

- A. The operator or an authorized representative will contact the DOGM Twenty four (24) hours prior to construction of location and access.
- B. The reserve pit will be located on the north side of the location.
- C. The flare pit will be located on the east side of the reserve pit, a minimum of 100 feet from the well head.
- D. The stockpiled topsoil (first six inches) will be stored on the west side of the location. Topsoil along the access route will be wind rowed on the uphill side.
- E. Access to the well pad will be from the north and east as shown on the Pit & Pad Layout.
- F. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- G. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles are shown on the Location Layout and are more or less standard for the average drilling rig.
- H. All pits will be fenced according to the following minimum standards:
  - 1. Wire net fence will be used with at least one strand of barbed wire on top of the wire net.
  - 2. The wire net will be no more than 2 inches above the ground. The barbed wire will be 3 inches above the wire net. Total height of the fence wiall be at least 42 inches.
  - 3. Corner posts will be braced in such a manner to keep the fence tight at all times.
  - 4. Standard steel or pipe posts will be used between the corner braces.
  - 5. Maximum distance between any two posts will be no greater than 16 feet.
  - 6. All wire will be stretched, by using a stretching device, before it is attached to the corner posts.
- J. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

#### 10. Plans for Surface Restoration

**Producing Location:** 

- A. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- B. Upon completion all hydrocarbons on the pit will be removed.
- C. The pit liner is used it will be torn and perforated before backfilling of the reserve pit.

- D. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within one year from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- E. Reclamation of unused disturbed areas on the well pad and access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding. Seeding will be performed within a year after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.
- F. The topsoil stockpile will be seeded as soon as the location has been constructed with the recommended seed mix. The seed will be walked in with a cat.

## 11. Interim Surface Reclamation

- A. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
- B. Before any dirt work associated with location restoration takes place, the reserve pit will be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
- C. If a synthetic, nylon reinforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit.

Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.

- D. The reserve pit will be reclaimed within one year from the date of final well completion, weather permitting.
- E. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Reseeding, using appropriate reclamation methods, will occur immediately following the spreading of topsoil, weather permitting.
- F. Access Roads: The majority of the access roads are maintained by the County Road Department.
- G. Well pad: The well pad is located on lands managed by SITLA.

#### 12. Dry Hole

A. At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and DOGM will attach the appropriate surface rehabilitation conditions of approval and full restoration of the location and access road will be completed as required by the State of Utah.

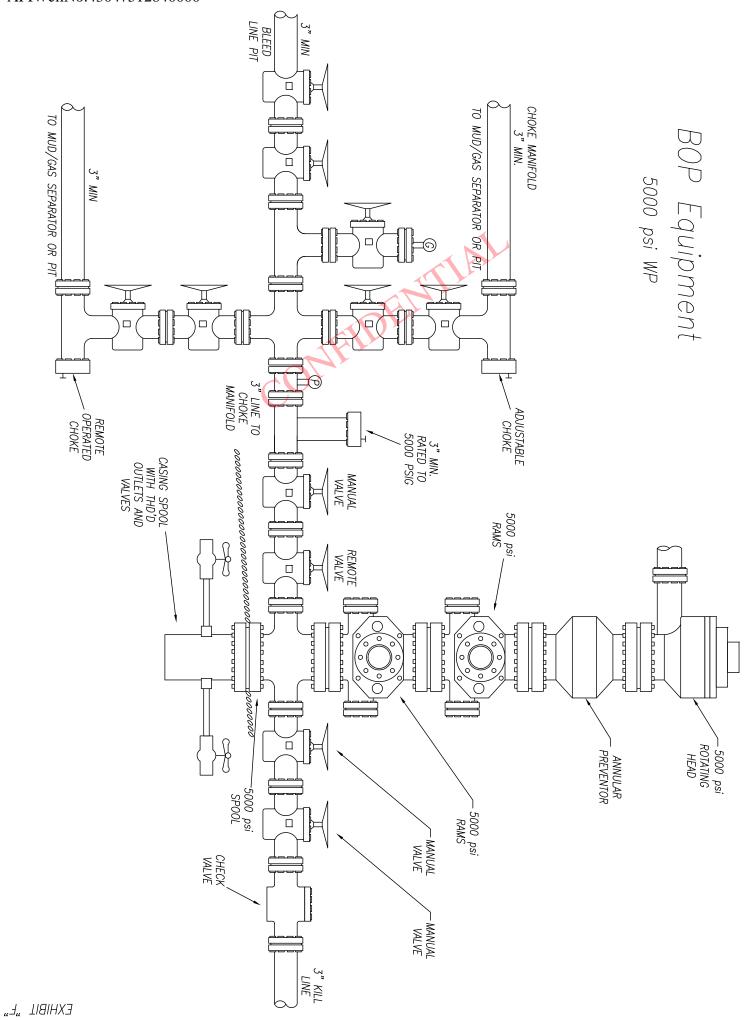
#### 13. OTHER INFORMATION

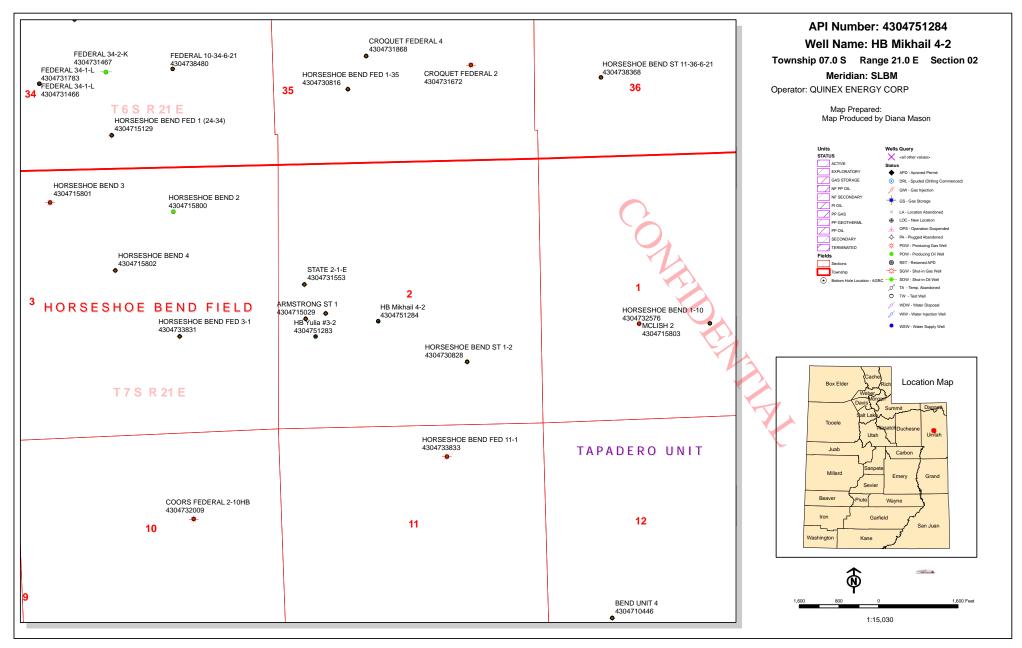
- A. Cultural and archeological surveys have been conducted and a copy of these reports will be submitted to the appropriate State agencies and a copy is made a part of the APD.
- B. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or Archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized agency to confirm through the State Historic Preservation Officer the appropriate mitigation standards. Upon verification from the AO the State Historic Preservation Officer that the required mitigation has been completed, the operator will then be allowed to resume construction.
- C. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities.

#### **Notifications:**

Location Construction
Location Completion
Spud Notice
Casing String and Cementing
BOP and Equipment Tests
First Production Notice

Twenty four (24)hours prior to construction of location and access Twenty four (24)hours prior to construction of location and access Twenty four (24) hours prior to construction of location and access Twenty four (24) hours prior to construction of location and access Twenty four (24) hours prior to construction of location and access Twenty four (24) hours prior to construction of location and access Thirty days after First Sales





'APIWellNo:43047512840000'

From: Jim Davis

To: Bonner, Ed; Mason, Diana

CC: Don Hamilton; Garrison, LaVonne

Date: 10/12/2010 11:20 AM

Subject: HB Yulia 3-2 and Mikhail 4-2 approvals

The following Quinex APDs have been approved by SITLA including arch and paleo clearance. No stipulations from SITLA on either resource.

CONFIDENTIAL HB Yulia 3-2 (4304751283) and HB Mikhail 4-2 (4304751284)

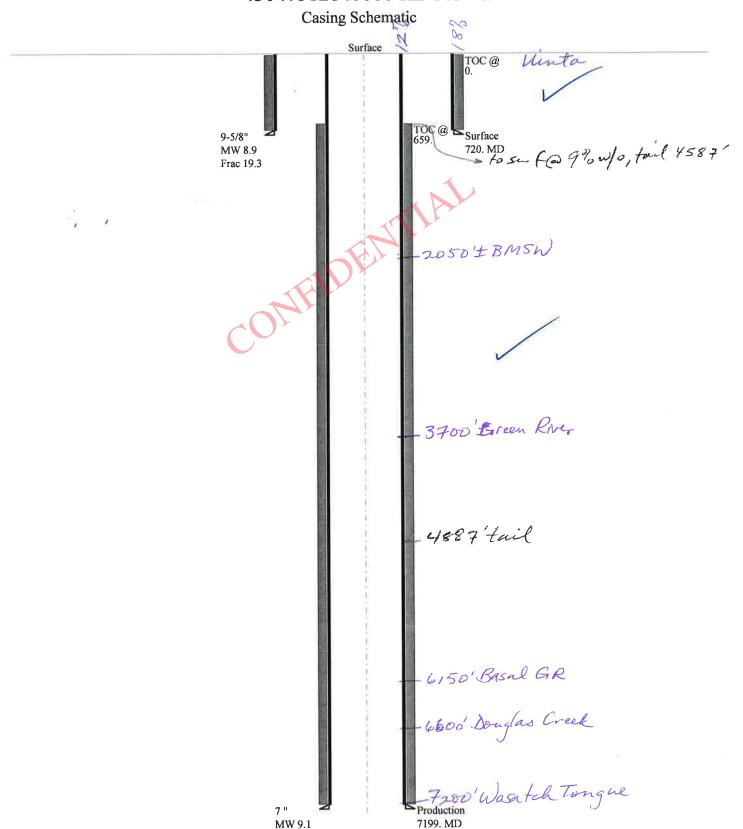
Thanks. -Jim

Jim Davis Utah Trust Lands Administration jimdavis1@utah.gov Phone: (801) 538-5156

#### BOPE REVIEW QUINEX ENERGY CORP HB Mikhail 4-2 43047512840000

Well Name		QUINEX ENERG	Y CORP HB Mikh	ail 4	-2 43047512840	000	
String		Surf	Prod	T		T	
Casing Size(")		9.625	7.000	Ť		Ī	<del></del>
Setting Depth (TVD)		720	7200	Ť		Ť	<del></del>
Previous Shoe Setting Dep	th (TVD)	0	720	Ť		Ë	<del></del>
Max Mud Weight (ppg)		8.9	9.1	Ť		Ë	<del></del>
BOPE Proposed (psi)		500	5000	ľ		Ϊ́Ε	<del></del>
Casing Internal Yield (psi)		3950	7240	ľ		Ë	<del></del>
Operators Max Anticipate	d Pressure (psi)	3120	8.3	ľ	=	Ë	<del></del>
1	<b>u</b> /	10.20	<u>  0.0</u>	11		Į.	
Calculations	Sui	rf String			9.6	525	"
Max BHP (psi)		.052*Sett	ing Depth*M	IW	= 333	Ź	
					(		BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Ma	x BHP-(0.12*	Setting Dep	th)	247		YES
MASP (Gas/Mud) (psi)	Ma	x BHP-(0.22	*Setting Dep	th)	175		YES OK
							*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		Depth - Previo	us Shoe Dep	th)	175		NO OK
Required Casing/BOPE To		4 ( ) >			720		psi
*Max Pressure Allowed @	Previous Casing Shoe=				0		psi *Assumes 1psi/ft frac gradient
Calculations	Pro	od String			7.0	000	"
Max BHP (psi)	110	_	ing Depth*N	ıw	_	-	
(Poz)		.002 500	g D opin 1		3407	=	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Ma	x BHP-(0.12*	Setting Dep	th)	= 2543	=	YES
MASP (Gas/Mud) (psi)		ax BHP-(0.22*		_	,	=	YES OK
(					1023	=	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting I	Depth - Previo	us Shoe Dep	th)	1981	=	NO Reasonable
Required Casing/BOPE To					5000		psi
*Max Pressure Allowed @					720	=	psi *Assumes 1psi/ft frac gradient
					11.20		ı c
Calculations		String					"
Max BHP (psi)		.052*Sett	ing Depth*M	W	'=		
							BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Ma	x BHP-(0.12	*Setting Dep	th)			NO
MASP (Gas/Mud) (psi)	Ma	x BHP-(0.22	*Setting Dep	th)			NO
							*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe		Depth - Previo	us Shoe Dep	th)	=	4	NO
Required Casing/BOPE To					<u> </u>	_	psi
*Max Pressure Allowed @	Previous Casing Shoe=						psi *Assumes 1psi/ft frac gradient
Calculations		String		_			п
Max BHP (psi)			ing Depth*N	W	<u>-</u>	=	
				_	1		BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Ma	ax BHP-(0.12*	*Setting Dep	th)	=	=	NO I
MASP (Gas/Mud) (psi)	Ma	x BHP-(0.22*	*Setting Dep	th)	=   -		NO I
						=	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting I	Depth - Previo	us Shoe Dep	th)	=		NO
Required Casing/BOPE To	est Pressure=						psi
*May Duessuns Allawad @	Previous Casing Shoe=						psi *Assumes 1psi/ft frac gradient

# 43047512840000 HB Mikhail 4-2



43047512840000 HB Mikhail 4-2 Well name:

**QUINEX ENERGY CORP** Operator:

Surface Project ID: String type: 43-047-51284

**UINTAH** COUNTY Location:

Minimum design factors: **Environment:** Design parameters: H2S considered?

Collapse: Collapse

8.900 ppg Design factor 1.125 Mud weight: Design is based on evacuated pipe.

84 °F 1.40 °F/100ft Temperature gradient: 100 ft Minimum section length:

Burst: Design factor Cement top:

Body yield:

Neutral point:

**Burst** Max anticipated surface

pressure: 634 psi Internal gradient:

Calculated BHP 720 psi

No backup mud specified.

0.120 psi/ft Tension: Non-directional string.

625 ft

1.80 (J) 8 Round STC: 8 Round LTC: 1.70 (J) 1.60 (J) **Buttress:** 1.50 (J) Premium: 1.50 (B)

Tension is based on air weight.

Re subsequent strings:

Surface temperature:

Bottom hole temperature:

7,200 ft Next setting depth: Next mud weight: 9.100 ppg 3,404 psi Next setting BHP: 19.250 ppg Fracture mud wt: 720 ft Fracture depth: Injection pressure: 720 psi

No

Surface

74 °F

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Cost (\$)
1	720	9.625	40.00	J-55	ST&C	720	720	8.75	6268
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	333	2570	7.720	720	3950	5.49	28.8	452	15.69 J

Helen Sadik-Macdonald Phone: 801 538-5357 Date: October 12,2010 Prepared Salt Lake City, Utah Div of Oil, Gas & Mining FAX: 801-359-3940

Remarks:

Collapse is based on a vertical depth of 720 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

43047512840000 HB Mikhail 4-2 Well name:

**QUINEX ENERGY CORP** Operator:

Production Project ID: String type: 43-047-51284

**UINTAH** COUNTY Location:

Design parameters:

Collapse Mud weight:

9.100 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

H2S considered? No 74 °F Surface temperature: Bottom hole temperature: 175 °F 1.40 °F/100ft Temperature gradient:

Minimum section length: 100 ft

Burst:

Design factor

Cement top:

**Environment:** 

659 ft

<u>Burst</u>

Max anticipated surface

pressure: 1,820 psi 0.220 psi/ft Internal gradient: Calculated BHP 3,403 psi

No backup mud specified.

Tension:

Body yield:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: Buttress: 1.60 (J) Premium: 1.50 (J) 1.60 (B)

Tension is based on air weight. Neutral point: 6.211 ft Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	7199	7	26.00	N-80	LT&C	7199	7199	6.151	64005
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
4	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	3403	5410	1.590	3403	7240	2.13	187.2	519	2.77 J

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: October 13,2010 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7199 ft, a mud weight of 9.1 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# **ON-SITE PREDRILL EVALUATION**

# **Utah Division of Oil, Gas and Mining**

**Operator** QUINEX ENERGY CORP

Well Name HB Mikhail 4-2

API Number 43047512840000 APD No 3007 Field/Unit HORSESHOE BEND

Location: 1/4,1/4 NESW Sec 2 Tw 7.0S Rng 21.0E 2114 FSL 2047 FWL

GPS Coord (UTM) 625509 4455179 Surface Owner

#### **Participants**

Floyd Bartlett (DOGM), Ben Williams and Alex Hansen (UDWR) Mike Hebertson and Paul Wells (Quinex Energy Corp.) and Jake Huffman (Huffman Enterprises-Dirt Contractor).

#### Regional/Local Setting & Topography

The area is approximately 15 air miles directly south of Vernal, Uintah County, Utah. Access is by State of Utah highways and Uintah County roads to within about 150 feet of the proposed pad. New construction will be required from this point.

Section 2 is an isolated lease section primarily owned by SITLA with what appears to be private lands in the north portion. The minerals are also SITLA. The bottom or south end of the Horseshoe Bend of the Green River cuts in an east to west direction through the north end of the section. The section is bordered on the other three sides by Federal lands administered by the BLM. Topography in the general area is undulating except steep where it drops into the Green River valley. The Green River is approximately ¼ air-miles to the north. No streams springs or open water occur in the immediate area

The pad for the proposed HB Mikhall 4-2 oil well is on the north end of a gentle sloping flat which partially overlooks the Green River to the north. The area is sandy but has considerable exposed sandstone bedrock on the east side which probably extends covered with sand to the west where the reserve pit is planned. Location Corners 6 and 8 may be rounded to reduce the amount of fill. A gentle swale runs northerly through the west part of the location. This swale will be filled and no diversions are needed. The north end of the location continuing south along the outside of the pad will be bermed as a precaution against uncontrolled fluids leaving the location and flowing toward the river. The selected site is within the normal drilling window and appears to be stable and a suitable site for drilling and operating the well. At the discretion of Quinex, production from this location may be piped to tanks on the HB Yulia #3-2 which is about ½ mile to the west and within this lease. Two surface gas pipes parallel the County road which is immediately south of the pad. Production gas will be used to power a generator which will supply electricity to the pump jack and other needs on the location.

#### **Surface Use Plan**

**Current Surface Use** 

Grazing Recreational Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.01 Width 260 Length 355 Onsite DUCHR

**Ancillary Facilities** N

#### Waste Management Plan Adequate?

#### **Environmental Parameters**

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#### Affected Floodplains and/or Wetlands N

#### Flora / Fauna

Vegetation is a desert shrub community. Principal plants include. Big sage, black sage, buckwheat, Mormon Tea, needle and thread grass, rabbit brush, Indian rice grass, horse brush, cheat grass, broom snake weed, prickly pear aster and annuals.

Cattle, antelope, coyote, small mammals and birds.

#### **Soil Type and Characteristics**

Shallow sandy loam with exposed sandstone bedrock. FIDENTIAL

**Erosion Issues** N

**Sedimentation Issues** N

Site Stability Issues N

**Drainage Diverson Required?** N

#### Berm Required? N

Quinex plans to berm the north/side of the location as a precaution to any fluids leaving the location.

**Erosion Sedimentation Control Required?** N

Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N Paleo Survey Run? Y

#### **Reserve Pit**

Site-Specific Factors	Site R	anking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	High permeability	20	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	Final Score	30	1 Sensitivity Level

#### **Characteristics / Requirements**

A reserve pit to hold the drilling fluids is planned in the south west side of the location. It is 80' x 100' by 10' deep. Pit Corner C is within 0.8 feet of fill. With the planned two feet of freeboard and the 10' wide bench along that side, no stability problems are expected. The pit will be lined with a minimum of 16-mil liner with a felt sub-liner.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

10/25/2010 Page 2

## **Other Observations / Comments**

Floyd Bartlett **Evaluator** 

10/4/2010 **Date / Time** 

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10/25/2010

# **Application for Permit to Drill Statement of Basis**

**Utah Division of Oil, Gas and Mining** 

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	r CBM
3007	43047512840000	LOCKED	OW	S	No
Operator	QUINEX ENERGY CORP		Surface Owner-APD		
Well Name	HB Mikhail 4-2		Unit		
Field	HORSESHOE BEND		Type of Work	DRILL	
Location	NESW 2 7S 21E S	2114 FSL	2047 FWL GPS Coord (UTM)	625516E	4455186N

#### **Geologic Statement of Basis**

Quinex proposes to set 400 feet of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be 2,050 feet. A search of Division of Water Rights records indicates that there are no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at the proposed site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and is not expected to be a high volume source of ground water. Production casing cement should be brought up to the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill 10/5/2010
APD Evaluator Date / Time

#### **Surface Statement of Basis**

The area is approximately 15 air miles directly south of Vernal, Uintah County, Utah. Access is by State of Utah highways and Uintah County roads to within about 150 feet of the proposed pad. New construction will be required from this point.

Section 2 is an isolated lease section primarily owned by SITLA with what appears to be private lands in the north portion. The minerals are also SITLA. The bottom or south end of the Horseshoe Bend of the Green river cuts in an east to west direction through the north end of the section. The section is bordered on the other three sides by Federal lands administered by the BLM. Topography in the general area is undulating except steep where it drops into the Green River valley. The Green River is approximately ½ air-miles to the north. No streams springs or open water occur in the immediate area.

The pad for the proposed HB Mikhall 4-2 oil well is on the north end of a gentle sloping flat which partially overlooks the Green River to the north. The area is sandy but has considerable exposed sandstone bedrock on the east side which probably extends covered with sand to the west where the reserve pit is planned. Location Corners 6 and 8 may be rounded to reduce the amount of fill. A gentle swale runs northerly through the west part of the location. This swale will be filled and no diversions needed. The north end of the location continuing south along the outside of the pad will be bermed as a precaution against uncontrolled fluids leaving the location and flowing toward the river. The selected site is within the normal drilling window and appears to be stable and a suitable site for drilling and operating the well. At the discretion of Quinex, production from this location may be piped to tanks on the HBYulia #3-2 which is about ½ mile to the west and within this lease. Two surface gas pipes parallel the County road which is immediately south of the pad. Production gas will be used to power a generator which will supply electricity to the pump jack and other needs on the location.

Ben Williams and Alex Hansen represented the Utah Division of Wildlife Resources at the pre-site visit. Mr. William stated the area is classified as crucial yearlong habitat for antelope. However, he did not recommended and restrictions for this species. No other wildlife is expected to be significantly affected. SITLA was invited but did not attend. SITLA is to be contacted for reclamation standards including seed mixes to be used.

'APIWellNo:43047512840000'

# **Application for Permit to Drill Statement of Basis**

**Utah Division of Oil, Gas and Mining** 

10/25/2010

10/4/2010 **Date / Time** 

Floyd Bartlett **Onsite Evaluator** 

**Conditions of Approval / Application for Permit to Drill** 

**Category** Condition

Pits A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the

CONFIDE

reserve pit.

Surface The reserve pit shall be fenced upon completion of drilling operations. Surface The well site shall be bermed to prevent fluids from leaving the pad.

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## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED:	9/7/2010	API NO. ASSIGNED: 43047	7512840000
WELL NAME:	HB Mikhail 4-2		
OPERATOR:	QUINEX ENERGY CORP (N9995)	PHONE NUMBER: 435 7	19-2018
CONTACT:	Don Hamilton		
PROPOSED LOCATION:	NESW 02 070S 210E	Permit Tech Review:	
SURFACE:	2114 FSL 2047 FWL	Engineering Review:	
воттом:	2114 FSL 2047 FWL	Geology Review:	
COUNTY:	UINTAH		
LATITUDE:	40.23962	LONGITUDE: -109.	
UTM SURF EASTINGS:	625516.00	NORTHINGS: 44551	186.00
FIELD NAME:	HORSESHOE BEND		
LEASE TYPE:	3 - State		
LEASE NUMBER:	ML-50418 PROPOSED PR	ODUCING FORMATION(S): GREEN RIVER-W	ASATCH
SURFACE OWNER:	3 - State	COALBED METHANE: NO	
RECEIVED AND/OR REVIE	WED:	LOCATION AND SITING:	
PLAT		R649-2-3.	
<b>▶ Bond:</b> STATE/FEE - NZS	5499876	Unit:	
Potash		R649-3-2. General	
Oil Shale 190-5			
Oil Shale 190-3		R649-3-3. Exception	
Oil Shale 190-13		Drilling Unit	
Water Permit: Naple C	ity Municiple Water Source	<b>Board Cause No:</b> R649-	3-2
RDCC Review:		Effective Date:	
Fee Surface Agreemer	nt	Siting:	
Intent to Commingle		R649-3-11. Directional D	rill
Commingling Approved			
Comments: Presite Co	ompleted		

Stipulations:

5 - Statement of Basis - bhill 10 - Cement Ground Water - hmacdonald 23 - Spacing - dmason

API Well No: 43047512840000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

### Permit To Drill

\*\*\*\*\*\*

**Well Name:** HB Mikhail 4-2 **API Well Number:** 43047512840000

**Lease Number:** ML-50418 **Surface Owner:** STATE **Approval Date:** 10/25/2010

#### **Issued to:**

QUINEX ENERGY CORP, 465 South 200 West, Bountiful, UT 84010

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### **Conditions of Approval:**

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 5  $\frac{1}{2}$ " casing string cement shall be brought back to  $\pm 620$ ' to isolate base of moderately saline ground water.

#### **Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before

API Well No: 43047512840000

performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

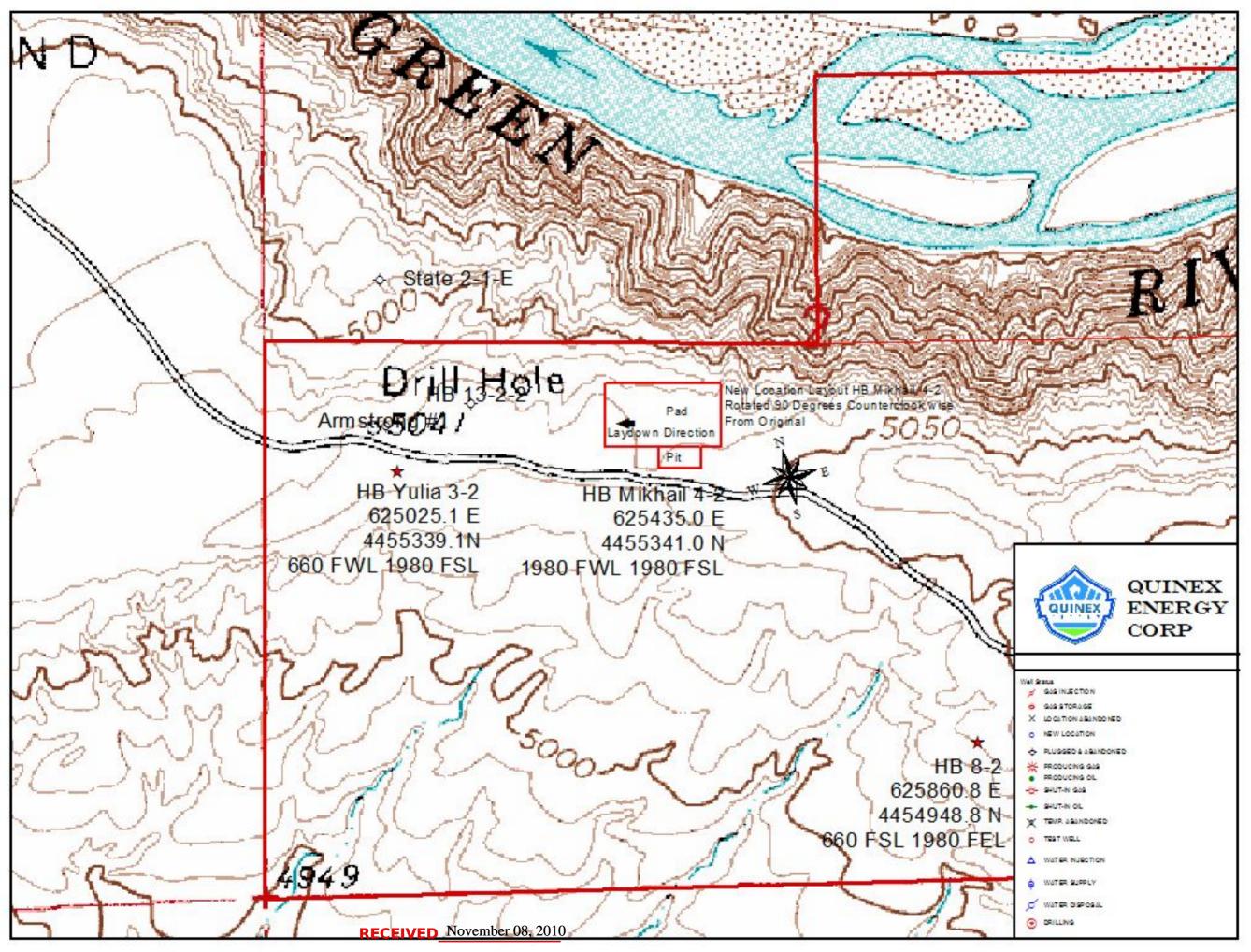
- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas

STATE OF UTAH				FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418					
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: HB MIKHAIL 4-2					
2. NAME OF OPERATOR: QUINEX ENERGY CORP	9. API NUMBER: 43047512840000					
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountif	9. FIELD and POOL or WILDCAT: HORSESHOE BEND					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL	COUNTY: UINTAH					
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02		STATE: UTAH				
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION			TYPE OF ACTION			
	☐ ACIDIZE		ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING	☐ CHANGE WELL NAME		
	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT	□ NEW CONSTRUCTION		
	OPERATOR CHANGE	F	PLUG AND ABANDON	☐ PLUG BACK		
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORM	MATION	
11/15/2010	REPERFORATE CURRENT FORMATION	☐ s	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	TUBING REPAIR		VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION		OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The HB Mikhail 4-2 was Dry Hole Spud by Leon Ross Drilling Monday,  November 15, 2010. The surface hole will be drilled to 720' and 9 5/8" casin accepted by the will be set and cemented back to surface.  Utah Division of Oil, Gas and Mining FOR RECORD ONLY  FOR RECORD ONLY  NAME (PLEASE PRINT)  PHONE NUMBER  TITLE						
K. Michael Hebertson	<b>PHONE NUMBER</b> 801 292-3800	•	Geologist			
SIGNATURE N/A			<b>DATE</b> 11/15/2010			

	FORM 9						
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418						
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: HB MIKHAIL 4-2						
2. NAME OF OPERATOR: QUINEX ENERGY CORP	<b>9. API NUMBER:</b> 43047512840000						
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountif	9. FIELD and POOL or WILDCAT: HORSESHOE BEND						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL	COUNTY: UINTAH						
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02	STATE: UTAH						
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION	TYPE OF ACTION						
,	☐ ACIDIZE ☐	ALTER CASING	CASING REPAIR				
✓ NOTICE OF INTENT Approximate date work will start: 11/0/2010	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
11/9/2010	☐ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	☐ TUBING REPAIR ☐	VENT OR FLARE	☐ WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: See attached Plat				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The location for the HB Mikhail 4-2 well is being rotated 90 degrees counterclock wise to more adequately accommodate the rig and placement of the reserve pit. This action will place the pit is a more secure cut position, and keep the crown of the rig from hanging over the cliff during rig up and rig down.  Date:  11/18/2010  By:							
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBER</b> 801 292-3800	<b>TITLE</b> Geologist					
SIGNATURE N/A		<b>DATE</b> 11/8/2010					



	FORM 9						
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418						
SUNDI	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	sals to drill new wells, significantly deeper ugged wells, or to drill horizontal laterals. ·	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2				
2. NAME OF OPERATOR: QUINEX ENERGY CORP			9. API NUMBER: 43047512840000				
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountif		NE NUMBER: 800 Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSH: Qtr/Qtr: NESW Section: 02	IP, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridian:	S	STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	☐ ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION				
	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION	RECLAMATION OF WELL SITE  SIDETRACK TO REPAIR WELL	☐ RECOMPLETE DIFFERENT FORMATION ☐ TEMPORARY ABANDON				
11/15/2010	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
☐ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
Report Date:	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The HB Mikhail 4-2 was Dry Hole Spud by Leon Ross Drilling Monday,  November 15, 2010. The surface hole will be drilled to 720' and 9 5/8" casinaccepted by the will be set and cemented back to surface.  Utah Division of Oil, Gas and Mining  FOR RECORD ONLY  November 15, 2010							
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBER</b> 801 292-3800	TITLE Geologist					
SIGNATURE N/A		<b>DATE</b> 11/15/2010					

	FORM 9						
	5.LEAS ML-50	E DESIGNATION AND SERIAL NUMBER: 0418					
SUND	RY NOTICES AND REPORT	S ON	WELLS	6. IF II	NDIAN, ALLOTTEE OR TRIBE NAME:		
	esals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals. 			7.UNIT	or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well					L NAME and NUMBER: KHAIL 4-2		
2. NAME OF OPERATOR: QUINEX ENERGY CORP					NUMBER: 7512840000		
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountil		1 <b>0NE NU</b> 3800 E			D and POOL or WILDCAT: ESHOE BEND		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL				COUNT			
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: 02	<pre>IP, RANGE, MERIDIAN: 2 Township: 07.0S Range: 21.0E Meridiar</pre>	n: S		STATE: UTAH			
11. CHE	ECK APPROPRIATE BOXES TO INDICA	ATE NA	ATURE OF NOTICE, REPORT,	OR OT	HER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
	ACIDIZE		ALTER CASING		CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME		
	☐ CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT		NEW CONSTRUCTION		
11/18/2010	OPERATOR CHANGE	☐ F	PLUG AND ABANDON		PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	_ F	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON		
	☐ TUBING REPAIR		/ENT OR FLARE		WATER DISPOSAL		
DRILLING REPORT Report Date:	WATER SHUTOFF	☐ s	SI TA STATUS EXTENSION		APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION	1	OTHER	отн	IER: See Below		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Drilled to 755' and encountered water at 345' water did not flow to surface.  Run 742' of 9 5/8 J 55 40lb casing, and cement with 340 sacks of class GAccepted by the cement with 2% Celoflake. Returns to surface with 10 BBLS left to pump. Utah Division of Cement fell after shutting down. Allowed Cement to set for 3 hours and ren, Gas and Mining top job cement. 40 sacks brought cement to surface and did not fall show to cure.  Shut down and allow to cure.							
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBE</b> 801 292-3800	R	<b>TITLE</b> Geologist				
SIGNATURE N/A			<b>DATE</b> 11/18/2010				

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

# **ENTITY ACTION FORM**

Operator:

**Quinex Energy Corporation** 

Operator Account Number: N 9995

Address:

465 South 200 West

city Bountiful

state UT zip 84010 Phone Number: (801) 292-3800

#### Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304751283	HB Yulia 3-2		NWSW	2	07S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	S	pud Da	te		tity Assignment Effective Date
Α	99999	17876	1	1/9/201	0	11 /	139/10

Comments:

GR-WS

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304751284	HB Mikhail 4-2		NESW	2	078	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	S	pud Da	te		tity Assignment Effective Date
Α	99999	17877	1	1/15/20 <sup>-</sup>	10	//	129/10

Comments:

GR-WS

### Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		pud Da	i taka in ing		 tity Assignment Effective Date
Comments:							

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a well from the existing entity to a rew entity VED
- E Other (Explain in 'comments' section)

NOV 2 2 2010

K. Michael Hebertson (Signature on file)

Name (Please Print)

Signature President

11/19/2010

Title

Date

	FORM 9						
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MII		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418				
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepen igged wells, or to drill horizontal laterals. U	existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2				
2. NAME OF OPERATOR: QUINEX ENERGY CORP			9. API NUMBER: 43047512840000				
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountife		NE NUMBER: 800 Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02	P, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridian:	S	STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	☐ ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME				
_	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION				
	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK				
✓ SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud: 12/20/2010	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON				
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL				
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION				
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The BOPE was tested and the rotary drilling equipment was run 720' to the bottom of the surface equipment and rotary drilling commenced at about 2: Accepted by the AM 20 December 2010.  Utah Division of Oil, Gas and Mining  FOR RECORDONLY							
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBER</b> 801 292-3800	TITLE Geologist					
SIGNATURE N/A		<b>DATE</b> 12/20/2010					

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES					FORM 9		
DIVISION OF OIL, GAS, AND MINING					E DESIGNATION AND SERIAL NUMBER: 418		
SUNDF	RY NOTICES AND REPORT	S ON	WELLS	6. IF IN	IDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposion bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepo gged wells, or to drill horizontal laterals	en exist . Use Al	ing wells below current PPLICATION FOR PERMIT TO	7.UNIT	or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well					L NAME and NUMBER: KHAIL 4-2		
2. NAME OF OPERATOR: QUINEX ENERGY CORP					NUMBER: 512840000		
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountife		H <b>ONE NU</b> -3800 E			D and POOL or WILDCAT: ESHOE BEND		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL	TO DANCE MEDITION			COUNTY			
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02	Township: 07.0S Range: 21.0E Meridiar	n: S		STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDIC.	ATE NA	ATURE OF NOTICE, REPORT,	OR OTH	HER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
_	ACIDIZE		ALTER CASING		CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS ☐ CHANGE WELL STATUS		CHANGE TUBING		CHANGE WELL NAME		
✓ SUBSEQUENT REPORT	CHANGE WELL STATUS	_	COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE  NEW CONSTRUCTION		
Date of Work Completion: 12/29/2011	OPERATOR CHANGE	_	PLUG AND ABANDON		PLUG BACK		
SPUD REPORT	PRODUCTION START OR RESUME	_	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON		
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION	✓ (	OTHER	отн	ER: Casing and Cement		
	See the attached		FOR	ccep Jtah I	ted by the Division of and Mining CORDONLY		
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBE</b> 801 292-3800	R	TITLE Geologist				
SIGNATURE N/A			<b>DATE</b> 1/10/2011				

## FINAL CEMENTING FOR THE HB MIKHAIL 4-2

RUN CASING 179 JTS 7 INCH 26 Ib N80

CEMENT CASING WITH 250 SKS LEAD 11#gal PRE TYPE V FOR THE LEAD CEMENT TAILCEMENT: 550 SKS 50/50 CLASS "G" 14.2 # PER GAL & 1/4 LB CELOFLAKE PER SK FOR LOST CIRCULATION

LANDED PLUG WITH 2450 PSI

MUD FLUSH TO SURFACE AT THE END OF PUMPING

AND FULL RETURNS WHILE CEMENTING

NIPPLE DOWN STACK

SET SLIPS WITH 20K TENSION

RELEASE RIG 29-DECEMBER-2010 6:00 PM

	STATE OF UTAH		FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418		
SUNDF	RY NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposition bottom-hole depth, reenter plu DRILL form for such proposals.	sals to drill new wells, significantly deepe gged wells, or to drill horizontal laterals	en existing wells below current . Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2
2. NAME OF OPERATOR: QUINEX ENERGY CORP			9. API NUMBER: 43047512840000
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountife		IONE NUMBER: 3800 Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02	P, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridiar	n: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC.	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
□ NOTICE OF INTENT Approximate date work will start: □ SUBSEQUENT REPORT Date of Work Completion: □ SPUD REPORT Date of Spud:  ✓ DRILLING REPORT Report Date: 1/10/2011  12. DESCRIBE PROPOSED OR CO	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION  MPLETED OPERATIONS. Clearly show all p Waiting on completio	n <b>Oi</b>	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Volumes, etc.  ACCEPTED by the Utah Division of II, Gas and Mining RECOMPLEY
NAME (PLEASE PRINT) K. Michael Hebertson	PHONE NUMBE 801 292-3800	R TITLE Geologist	
SIGNATURE N/A	331 232 3000	DATE 1/10/2011	

Sundry Number: 16829 API Well Number: 43047512840000

	STATE OF UTAH		FORM 9
	<b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50418		
SUNDF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepen ex igged wells, or to drill horizontal laterals. Use		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2
2. NAME OF OPERATOR: QUINEX ENERGY CORP			<b>9. API NUMBER:</b> 43047512840000
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountifu		NUMBER: Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NESW Section: 02	P, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
□ NOTICE OF INTENT Approximate date work will start: □ SUBSEQUENT REPORT Date of Work Completion: □ SPUD REPORT Date of Spud:	ACIDIZE  CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR	ALTER CASING  CHANGE TUBING  COMMINGLE PRODUCING FORMATIONS  FRACTURE TREAT  PLUG AND ABANDON  RECLAMATION OF WELL SITE  SIDETRACK TO REPAIR WELL  VENT OR FLARE	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL
✓ DRILLING REPORT Report Date: 7/19/2011	✓ WATER SHUTOFF  WILDCAT WELL DETERMINATION  ✓	SI TA STATUS EXTENSION OTHER	OTHER: Testing
Qinex is currently to Testing will continue	MPLETED OPERATIONS. Clearly show all pertine test the lower Green River for higher than the least 30 days prior to proceed the second se	ydrocarbon production. duction being determined A L Oil FOR	
NAME (PLEASE PRINT) K. Michael Hebertson	<b>PHONE NUMBER</b> 801 292-3800	TITLE Geologist	
SIGNATURE N/A		<b>DATE</b> 7/19/2011	

#### **STATE OF UTAH** AMENDED REPORT .... FORM 8 (highlight changes) DEPARTMENT OF NATI DIVISION OF OIL. 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50418 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOM 1a. TYPE OF WELL: 7. UNIT or CA AGREEMENT NAME OIL VELL OTHER 8. WELL NAME and NUMBER: b. TYPE OF WORK: DIFF. RESVR. HB Mikhail #4-2 WELL 🔽 RE-ENTRY OTHER 9. API NUMBER: 2. NAME OF OPERATOR: **Quinex Energy Corporation** 4304751284 10 FIELD AND POOL, OR WILDCAT 3. ADDRESS OF OPERATOR: PHONE NUMBER: Horseshoe Bend STATE UT ZIP 84010 465 West 200 South CITY Bountiful 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2,114' FSL 2,047' FWL 21E S NESW 2 78 AT TOP PRODUCING INTERVAL REPORTED BELOW: Same 12. COUNTY 13. STATE AT TOTAL DEPTH: Same **UTAH** Uintah 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): READY TO PRODUCE 🗸 ABANDONED DF5054KB5055GL504 11/15/2010 12/23/2010 8/20/2011 21. DEPTH BRIDGE 18. TOTAL DEPTH: 19. PLUG BACK T.D.: MD 20. IF MULTIPLE COMPLETIONS, HOW MANY? MD MD PLUG SET: TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) ио 🗸 YE\$ (Submit analysis) WAS WELL CORED? Isolation Behind Casing, Comp. Den./Comp. Neu., Array Ind., NO 🗸 YES WAS DST RUN? (Submit report) Quicklook, Hole Vol./Cal. DIRECTIONAL SURVEY? NO 🛩 YES (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER DEPTH CEMENT TYPE & SLURRY SIZE/GRADE TOP (MD) BOTTOM (MD) CEMENT TOP \*\* AMOUNT PULLED HOLE SIZE WEIGHT (#/ft.) NO. OF SACKS VOLUME (BBL) 720 12 1/4" 9 5/8" 0 8 3/4" 26 0 7,197 7.0" N-80 250 "Prem "G" Tail 550 surface 25. TUBING RECORD DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) DEPTH SET (MD) PACKER SET (MD) SIZE SIZE 2 7/8' 6,820 6.790 26, PRODUCING INTERVALS 27. PERFORATION RECORD INTERVAL (Top/Bot - MD) SIZF NO. HOLES PERFORATION STATUS FORMATION NAME TOP (MD) BOTTOM (MD) TOP (TVD) BOTTOM (TVD) 3.571 6.990 6.842 6.850 0.36 32 Open Squeezed (A) Green River 6.864 6.874 0.36 40 Open Squeezed Wasatch (Transition 6.990 (C) Open Saueezed Squeezed (D) Open 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. AMOUNT AND TYPE OF MATERIAL DEPTH INTERVAL 114,410 gal. (2,724 bbl.); 150,945 #, adds. (1,119 gals., 165 #) 6842' - 6850' See above - Combined total for both zones 6864' - 6874' 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: DIRECTIONAL SURVEY ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT **Producing** SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: RECEIVED

(CONTINUED ON BACK)

AUG 2 5 2011

011 11111111111111111111111111111111111	550011011					LITTLE A (A5 510	WIT III ICCIII #201				
7/19/2011		TEST DA	ίΤΕ:		HOURS TESTED	o: <b>0</b>	TEST PRODUCTION RATES: →	OIL-BBL:	GAS – MCF:	WATER - BBL	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. csg. pr 5(	<u>)</u>	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	OIL-BBL:	GAS – MCF:	WATER – BBL	INTERVAL STATUS
			1.		· ··· INT	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTE	D:	TEST PRODUCTION RATES: →	N OIL – BBL:	GAS – MCF:	WATER - BBL	PROD. METHOD;
CHOKE SIZE:	TBG. PRESS	. CSG. PR	ESS. API GI	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	N OIL – BBL:	GAS MCF:	WATER BBL	INTERVAL STATUS
					INT	ERVAL C (As sho	wn in item #26)	4			
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTER	Ď:	TEST PRODUCTION RATES: →	N OIL – BBL:	GAS - MCF:	WATER - BBL	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. CSG. PR	ESS. API G	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	N OIL BBL:	GAS – MCF:	WATER - BBL	INTERVAL STATUS
		•			INT	ERVAL D (As sho	wn in item #26)		•	•	
DATE FIRST PR	RODUCED:	TEST DA	ATE:		HOURS TESTER	•	TEST PRODUCTION RATES: →	N OIL – BBL:	GAS – MCF:	WATER – BBL	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS	. CSG. PR	ESS. API G	RAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTIO RATES: →	N OIL BBL:	GAS - MCF:	WATER – BBL	INTERVAL STATUS
32. DISPOSITION	•	old, Used for I	Fuel, Vented, E	tc.)							
33. SUMMARY	OF POROUS Z	ONES (Includ	le Aquifers):					34. FORMATION	(Log) MARKERS:		
Show all importatested, cushion u						n tests, including de	epth interval				
Formati	on	Top (MD)	Bottom (MD)		Descrip	otions, Contents, etc	÷.		Name		Top (Measured Depth)
Green Riv	er	3,571	6,990	San	dstone			Tgr Basal Tgr Dougla Wasatch 1			5,940 6,403 6,990
			·								
35. ADDITIONA	AL REMARKS (	Include plugg	ing procedure)	1		· · · · · · · · · · · · · · · · · · ·				<b></b>	
											Section 1
36. I hereby ce	rtify that the fo	pregoing and	attached inforn	nation is c	omplete and corr	ect as determined	from all available re	cords.			
NAME (PLEAS	SE PRINT) K	. Michael	Hebertso	n			тпты Geo	ologist		•	

This report must be submitted within 30 days of

34 INITIAL DECIDIOTION

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore

Mechael Helester

- recompleting to a different producing formation
- reentering a previously plugged and abandoned well

8/24/2011

- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<sup>\*</sup> ITEM 20: Show the number of completions if production is measured separately from two or more formations.

Sundry Number: 19463 API Well Number: 43047512840000

			-
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	-0	FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2
2. NAME OF OPERATOR: QUINEX ENERGY CORP			<b>9. API NUMBER:</b> 43047512840000
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountife		NE NUMBER: 00 Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
10/13/2011	☐ CHANGE WELL STATUS	$\square$ commingle producing formations	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
Report Date.	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Reserve Pit Extension
This well is still in th scheduled. Quinex is the reserve open. Qu	DAPLETED OPERATIONS. Clearly show all per the evaluation stage and further is therefore requesting an exte uinex will maintain the fence a d disposal facility as necessary State of Utah standards	r completion work is being nsion of 8 months to keep to and the pit and will hau to assure compliance with s.	Approved by the
		E	By:
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
K. Michael Hebertson	801 292-3800	Geologist	
SIGNATURE N/A		<b>DATE</b> 10/13/2011	

Sundry Number: 19463 API Well Number: 43047512840000

			-
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE	-0	FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418		
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: HB MIKHAIL 4-2
2. NAME OF OPERATOR: QUINEX ENERGY CORP			<b>9. API NUMBER:</b> 43047512840000
3. ADDRESS OF OPERATOR: 465 South 200 West , Bountife		NE NUMBER: 00 Ext	9. FIELD and POOL or WILDCAT: HORSESHOE BEND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN: Township: 07.0S Range: 21.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
10/13/2011	☐ CHANGE WELL STATUS	$\square$ commingle producing formations	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
Report Date.	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Reserve Pit Extension
This well is still in th scheduled. Quinex is the reserve open. Qu	DAPLETED OPERATIONS. Clearly show all per the evaluation stage and further is therefore requesting an exte uinex will maintain the fence a d disposal facility as necessary State of Utah standards	r completion work is being nsion of 8 months to keep to and the pit and will hau to assure compliance with s.	Approved by the
		E	By:
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
K. Michael Hebertson	801 292-3800	Geologist	
SIGNATURE N/A		<b>DATE</b> 10/13/2011	

Sundry Number: 22115 API Well Number: 43047512840000

	FORM 9						
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: HB MIKHAIL 4-2						
2. NAME OF OPERATOR: QUINEX ENERGY CORP	<b>9. API NUMBER:</b> 43047512840000						
3. ADDRESS OF OPERATOR: 465 South 200 West, Bour	9. FIELD and POOL or WILDCAT: HORSESHOE BEND						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL	COUNTY: UINTAH						
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: (	STATE: UTAH						
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION							
	ACIDIZE		ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	FRACTURE TREAT	NEW CONSTRUCTION			
	OPERATOR CHANGE	☐ F	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	□ F	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
✓ DRILLING REPORT Report Date:	TUBING REPAIR		VENT OR FLARE	WATER DISPOSAL			
	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION			
1/12/2012	WILDCAT WELL DETERMINATION		OTHER	OTHER:			
42 DESCRIBE BRODOSED OR	COMPLETED OPERATIONS. Clearly show			<u>'</u>			
TE. DEGGNISE I NOI GGED GN	Shut-In for further evalua	-	Timent details moldaling dates, a	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 12, 2012			
NAME (DI FACE DEVICE)			TITLE				
NAME (PLEASE PRINT)PHONE NUMBERK. Michael Hebertson801 292-3800			TITLE Geologist				
SIGNATURE N/A			DATE 1/12/2012				

Sundry Number: 22112 API Well Number: 43047512840000

	FORM 9						
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50418						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:						
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: HB MIKHAIL 4-2						
2. NAME OF OPERATOR: QUINEX ENERGY CORP	<b>9. API NUMBER:</b> 43047512840000						
3. ADDRESS OF OPERATOR: 465 South 200 West, Bour	9. FIELD and POOL or WILDCAT: HORSESHOE BEND						
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2114 FSL 2047 FWL	COUNTY: UINTAH						
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NESW Section: (	STATE: UTAH						
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA							
TYPE OF SUBMISSION							
	ACIDIZE		ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	NEW CONSTRUCTION			
	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK			
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
✓ DRILLING REPORT Report Date:	TUBING REPAIR		VENT OR FLARE	WATER DISPOSAL			
	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION			
1/12/2012	WILDCAT WELL DETERMINATION	$\Box$	OTHER	OTHER:			
42 DESCRIBE BRODOSED OR	COMPLETED OPERATIONS. Clearly show			<u>'</u>			
TE. DEGGNISE I NOI GGED GN	Shut-in for further evaluat	-		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 13, 2012			
NAME (PLEASE PRINT) PHONE NUMBER K. Michael Hebertson 801 292-3800			TITLE Geologist				
SIGNATURE N/A			DATE 1/12/2012				